

Joseph S. Iandiorio  
Kirk Teska  
Jason D. Shanske  
Thomas E. Thompkins, Jr.  
Roy J. Coleman  
David W. Poirier

## **IANDIORIO & TESKA**

INTELLECTUAL PROPERTY LAW ATTORNEYS

260 BEAR HILL ROAD  
WALTHAM, MASSACHUSETTS 02451-1018

Tel: (781) 890-5678  
Fax: (781) 890-1150  
e-mail: [admin@iandiorio.com](mailto:admin@iandiorio.com)  
web: [www.iandiorio.com](http://www.iandiorio.com)

April 7, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUBJECT:    Applicant:    Ashton et al.  
             Serial No:    10/676,556  
             Filed:        October 1, 2003  
             For:            AN UPPER BUNDLE STEAM GENERATOR  
                              CLEANING, INSPECTION, AND REPAIR  
                              SYSTEM  
             Group:        3749  
             Docket No:    FM-245J

Dear Sir:

Pursuant to 37 CFR 1.56, enclosed are an Information Disclosure Citation in an Application, Form PTO-A820, listing one hundred two (102) references, and copies of twenty three (23) references.

Please note that reference JP 59-500065 corresponds to U.S. Patent No. 4,572,284, the latter of which is in English and is provided. JP 62-01085 corresponds to European Patent Application 0605085A1, the latter of which is in English and is provided. Additionally, for JP 62-241692 an English translation of claims 1 and 2 is provided. For JP 63-93587, an English translation of claims 1-5 is provided. Also, reference JP 58-132339 discloses a tube with holes, the tube rotatable about its own axis.

This Information Disclosure Citation is timely filed and should be considered as it is filed before the mailing date of the first Office Action on the merits of the subject application pursuant to 37 CFR §1.97(b)(3).

If at any time it appears that a TELEPHONE CONFERENCE with counsel would help advance prosecution, please telephone the undersigned or his associates, collect in Waltham, Massachusetts, at (781) 890-5678.

Commissioner of Patents  
April 7, 2004  
Page 2

If any payment during prosecution is found to be incorrect, please charge any deficiency or credit any overpayment to my Deposit Account No. 09-0002. A copy of this letter is enclosed for use by the Finance Branch in the event that it is necessary to make any charge or credit to my deposit account.

Kindly acknowledge receipt of the foregoing by returning the enclosed self-addressed postcard.

Sincerely,

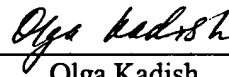


Thomas E. Thompson, Jr.  
Reg. No. 47,136

TET/ok  
Enclosures

CERTIFICATE OF MAILING

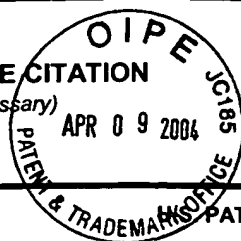
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 7, 2004.



Olga Kadish

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY DOCKET NO.

FM-245J

SERIAL NO.

10/676,556

Applicant(s) Ashton et al.

FILING

Date

October 1, 2003

GROUP

3749

## PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	338,310	03/23/1886	Smith			
	1,905,824	04/25/1933	Dysthe			
	3,120,237	02/04/1964	Lang			
	3,330,105	07/11/1967	Weber			
	3,599,871	08/17/1971	Ruppel et al.			
	3,655,122	04/11/1972	Brown et al.			
	4,107,001	08/15/1978	Kinzler			
	4,219,976	09/02/1980	Burack et al.			
	4,231,419	11/04/1980	Gugel			
	4,384,594	05/24/1983	Moritz			
	4,392,344	07/12/1983	Gordon et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	DE 3044788 A1	07/01/1982	West Germany			✓	
	DE 4226854 A	02/17/1994	Germany			✓	
	JP 53-21303	02/27/1978	Japan			✓	
	JP 58-132339	09/06/1983	Japan				✓
	JP 58-224218	12/26/1983	Japan			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,424,769	01/10/1984	Charamathieu et al.			
	4,478,546	10/23/1984	Mercer			
	4,498,427	02/12/1985	Todd			
	4,572,284	02/25/1986	Katscher et al.			
	4,637,588	01/20/1987	Wilhelm et al.			
	4,638,667	01/27/1987	Zimmer et al.			
	4,656,714	04/14/1987	Evans et al.			
	4,667,701	05/26/1987	Evans et al.			
	4,671,326	04/09/1987	Wilhelm et al.			
	4,676,201	06/30/1987	Lahoda et al.			
	4,682,630	07/28/1987	Schukei			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
JP 59-500065	01/12/1984	Japan			✓	
JP 61-130798	06/18/1986	Japan			✓	
JP 61-130799	06/18/1986	Japan			✓	
JP 62-33299	02/13/1987	Japan			✓	
JP 62-45535	03/19/1987	Japan			✓	

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*


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	4,690,172	09/01/1987	Everett			
	4,691,723	09/08/1987	Mierswa et al.			
	4,700,662	10/20/1987	Fashacht, Jr. et al.			
	4,702,281	10/27/1987	Moritz			
	4,723,881	02/09/1988	Duran			
	4,729,423	03/08/1988	Martin			
	4,744,392	05/17/1988	Tade, III et al.			
	4,769,085	09/06/1988	Booij			
	4,770,235	09/13/1988	Rogers, Jr. et al.			
	4,826,036	05/02/1989	Lewis et al.			
	4,827,953	05/09/1989	Lee			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 62-74730	04/06/1987	Japan				✓
	JP 62-87720	04/22/1987	Japan			✓	
	JP 64-31394	02/27/1989	Japan			✓	
	JP 62-241692	10/22/1987	Japan			✓	
	JP 63-93587	04/23/1988	Japan			✓	

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*


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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,834,069	05/30/1989	Umeda			
	4,844,021	07/04/1989	Stoss			
	4,860,919	08/29/1989	Weisel et al.			
	4,887,555	12/19/1989	Smet			
	4,932,441	06/12/1990	Corey et al.			
	4,954,312	09/04/1990	McDonald et al.			
	4,957,215	09/18/1990	Evans et al.			
	4,959,192	09/25/1990	Trundle et al.			
	4,980,120	12/25/1990	Bowman et al.			
	4,989,818	02/05/1991	Trundle et al.			
	5,006,302	04/09/1991	Trundle et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
JP 63-182394	07/27/1988	Japan			✓	
JP 5-52592	03/02/1993	Japan				✓
JP 6-201085	07/19/1994	Japan			✓	
JP 6-274730	09/30/1994	Japan				✓
JP 6-320473	11/22/1994	Japan			✓	

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	5,007,460	04/16/1991	Zezza et al.			
	5,032,048	07/16/1991	Walton et al.			
	5,032,350	07/16/1991	McDonald et al.			
	5,036,871	08/06/1991	Ruggieri et al.			
	5,042,861	08/27/1991	Trundle et al.			
	5,048,570	09/17/1991	Weisel et al.			
	5,065,703	11/19/1991	Lee			
	5,135,330	08/04/1992	Chen			
	5,164,151	11/17/1992	Shah et al.			
	H1115	12/01/1992	Nachbar			
	5,167,905	12/01/1992	Mentz et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
JP 09-026107	01/28/1997	Japan			✓	
WO 90/09850	09/07/1990	WIPO			✓	
WO 96/17695	06/13/1996	WIPO			✓	

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,169,594	12/08/1992	Tade, III et al.			
		5,171,514	12/15/1992	Veronesi et al.			
		5,172,653	12/22/1992	Vadakin et al.			
		5,178,129	01/12/1993	Chikama et al.			
		5,184,636	02/09/1993	Van Der Woude			
		5,194,217	03/16/1993	St Louis et al.			
		5,205,693	04/27/1993	Fuller et al			
		5,238,054	08/24/1993	Ritz et al.			
		5,261,600	11/16/1993	Cradeur			
		5,265,129	11/23/1993	Brooks et al.			
		5,286,154	02/15/1994	Jens et al.			

FOREIGN PATENT DOCUMENTS								
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							YES	NO

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,292,074	03/08/1994	Clark et al			
	5,305,713	04/26/1994	Vadakin			
	5,341,406	08/23/1994	Jens et al.			
	5,348,234	09/20/1994	Van der Woude			
	5,411,043	05/02/1995	Kamler			
	5,564,371	10/15/1996	Ashton et al.			
	5,570,660	11/05/1996	Vandenberg			
	5,615,734	04/01/1997	Hyp			
	5,638,415	06/10/1997	Nafziger et al.			
	5,782,209	07/21/1998	Vandenberg			
	5,913,320	06/22/1999	Varrin, Jr. et al.			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,543,392	04/08/2003	Ashton, III et al.			
		6,672,257	01/06/2004	Ashton, III et al.			

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